

CLAIMS

I Claim:

4. A Room Designated RF Alarm System for providing room name of fire incident at a plurality of remote locations by Voice-Playback Device.

Consisting of: a plurality of self-contained units, each identical and containing the following components
a Multi-Positional Encoder with positions listed as room choices, e.g., GARAGE, BASEMENT, KITCHEN, 1st FL HALL, BED RM 1, and BED RM 2, Encoder outputs a unique 4-bit binary code at each position.

a 8-Bit Dip switch for system communications address, a Voice-Playback Device with multiple message capability and end of message marker, a RF Transmitter circuit which transmits a 12-bit signal (8-bits communications address and 4-bit encoder data). A RF Receiver Circuit which validates Communications Address and accepts 4-bits of data and a Fire Detection Circuit with high-frequency alarm output and bi-directional I/O.

- a) A plurality of said remote locations wherein each units multi-positional Encoder is positioned at a different room name
- b) said multiple messages are pre-recorded and said encoder positions 4-bit output is mapped into an 8-bit begin playback address